



# 2020 TAZ Boundary Delineation: Timing and Process

February 24, 2021



# TAZ Boundary Delineation: Who is Involved?

- **Local jurisdiction staff**
  - CFG membership
  - Any other supporting / interested staff
- **BMC staff**
  - GIS staff
  - Modeling group staff

# TAZ Boundary Delineation: Data

- **What data is supporting the process?**
  - 2020 Census Geographic Products
  - Round 9A data by 2010 TAZ
    - Emphasis on Population, HHs, Employment for 2020-2030
  - **Demographic data from 2019 5-yr ACS**
    - Block Group level data for population and households
    - Processed for 2020 Census Geography
  - **Additional employment data as needed**
    - QCEW (MEF)

# TAZ Boundary Delineation: Proposed Process

- **March**
  - BMC staff performs preliminary spatial work
    - Compares 2010 TAZ geography to 2020 Census BGs
  - **BMC staff provides spatial and data files to CFG**
    - 2020 Census geography (w/ 2019 ACS data attribute table)
    - 2010 TAZ geography (w/ Round 9A data attribute table)
  - **BMC staff creates/distributes draft maps highlighting TAZs that:**
    - Are expected to remain the same
    - May be in need of split
    - May be in need of merge
    - May have some other issue

# TAZ Boundary Delineation: Proposed Process

- **April / May**
  - CFG members review draft maps and perform their own analyses
    - Develop comments / suggestions / edits
  - Video-conference meetings w/ BMC staff and CFG members
    - Separate meeting for each jurisdiction
      - BMC will set these up for agreed upon dates/times
    - Opportunity for detailed review / clarification of proposed boundary edits
  - BMC incorporates suggested edits from CFG members

# TAZ Boundary Delineation: Proposed Process

- **May / June**

- BMC distributes draft 2020 TAZ Boundary file to each CFG member
- CFG member reviews boundary file
  - If boundary file is acceptable
    - CFG member sends transmittal stating that the boundary file is approved
  - If there are additional edits requested
    - BMC staff works with CFG member until the boundary file is finalized and approved

**2020 TAZ Boundary Delineation Complete!**

# TAZ Boundary Delineation: Background Information and Technical Details

# Transportation Analysis Zones (TAZs)

- BMC Travel Demand Model input
- Demographic data of an area:
  - Population
  - Employment
  - Group Quarters
- CFG creates the data
- Modeling staff converts it into a model input
- TAZ data ‘fuels’ the model; the model creates travel on the highway and transit networks
- Air Quality Conformity based on the model’s travel



# TAZ Boundary Delineation: Details

- Conducted every Census (though this is the first time the Census is not creating their own TAZs)
- Approximately the size of block groups; except in employment areas
- 600-3,000 in population and/or 600+ in employment
- Locally driven process with BMC assistance
- No set number of TAZs required however the model's computing time should be considered
- Current number of TAZs in Baltimore Region: 1,397
- 2020 Block Groups in Baltimore Region: 1,992

# TAZ Boundary Delineation: Details

- Baltimore City: 330
- Anne Arundel County: 256
- Baltimore County: 380
- Carroll County: 99
- Harford County: 155
- Howard County: 167
- Queen Anne's County: 10

# TAZ Boundary Delineation: BMC Contacts

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# For More Information

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